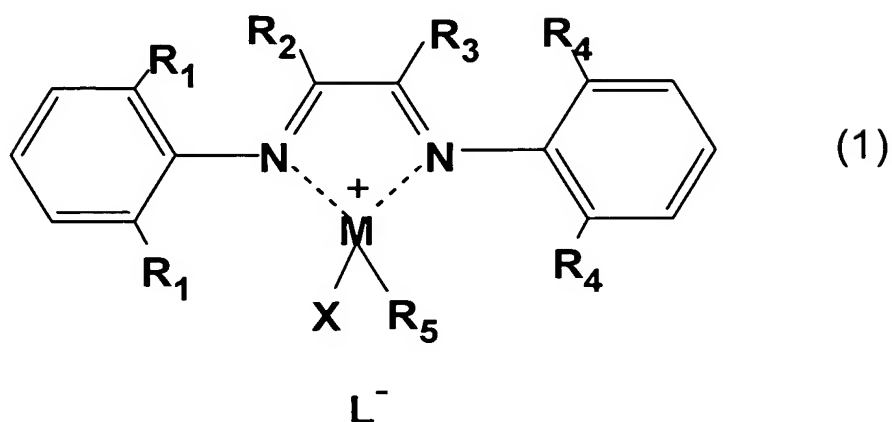


AMENDMENTS TO THE CLAIMS

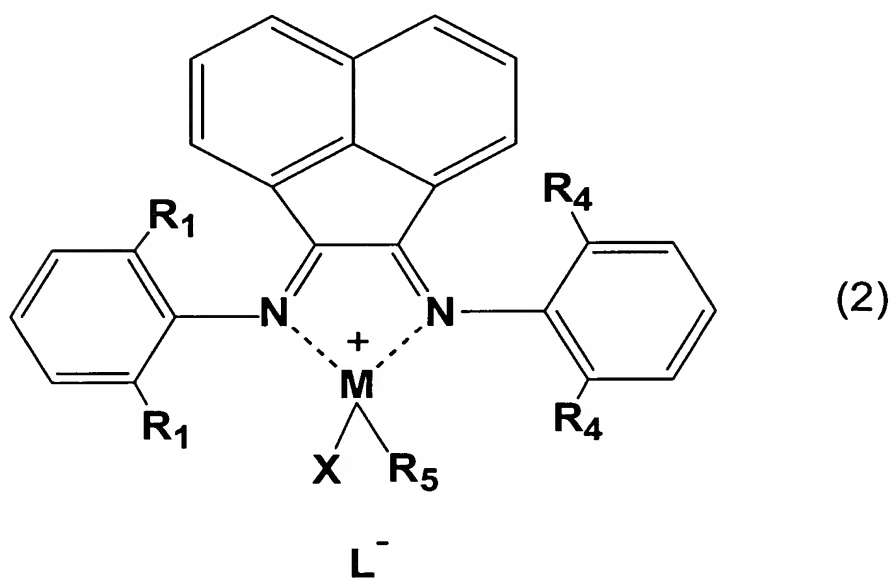
This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (original): A polyolefin graft copolymer produced in the presence of a late transition metal complex coordination polymerization catalyst by graft copolymerization of an olefin monomer with a silicone macromonomer prepared by emulsion polymerization.
2. (original): The polyolefin graft copolymer according to claim 1, wherein the late transition metal complex coordination polymerization catalyst is a complex of a ligand having two imine nitrogen atoms and a transition metal selected from those of Groups 8 to 10 of the periodic table.
3. (original): The polyolefin graft copolymer according to claim 2, wherein the late transition metal complex coordination polymerization catalyst is a complex of an α -diimine ligand and a transition metal selected from those of Group 10 of the periodic table.
4. (original): The polyolefin graft copolymer according to claim 3, wherein the late transition metal complex coordination polymerization catalyst is an active species represented by general formula (1) or (2) after the catalyst is reacted with a co-catalyst:



(wherein M is palladium or nickel; R₁ and R₄ are each independently a C₁-C₄ hydrocarbon group; R₂ and R₃ are each independently a hydrogen atom or a methyl group; R₅ is a halogen atom, a hydrogen atom, or a C₁-C₂₀ organic group; X is an organic group containing a heteroatom that can coordinate to M, wherein X may be bonded to R₅ or may be absent; and L⁻ is an anion);



(wherein M is palladium or nickel; R₁ and R₄ are each independently a C₁-C₄ hydrocarbon group; R₅ is a halogen atom, a hydrogen atom, or a C₁-C₂₀ organic group; X is an organic group containing a heteroatom that can coordinate to M, wherein X may be bonded to R₅ or may be absent; and L⁻ is an anion).

5. (currently amended): The polyolefin graft copolymer according to claim 1 ~~one of claims 1 to 4~~, wherein the silicone macromonomer prepared by emulsion polymerization is a silicone macromonomer produced by reacting an organosiloxane with a compound having, in its molecule, a functional group reactive with the organosiloxane and a carbon-carbon double bond for coordination polymerization.

6. (currently amended): The polyolefin graft copolymer according to claim 1 ~~any one of claims 1 to 5~~, wherein the polyolefin in the polyolefin graft copolymer has a branched structure.

7. (currently amended): The polyolefin graft copolymer according to claim 1 ~~any one of claims 1 to 6~~, wherein the olefin monomer is ethylene or propylene.

8. (currently amended): A composition containing the polyolefin graft copolymer according to claim 1 ~~any one of claims 1 to 7~~.

9. (original): The composition containing the polyolefin graft copolymer according to claim 8, wherein the composition contains a polyolefin resin as a component.

10. (currently amended): A process for producing the polyolefin graft copolymer according to claim 1 ~~any one of claims 1 to 7~~.

11. (currently amended): A process for producing the composition according to claim 8 ~~or 9~~.

12. (new): A composition containing the polyolefin graft copolymer according to claim 5.

13. (new): The composition containing the polyolefin graft copolymer according to claim 12, wherein the composition contains a polyolefin resin as a component.

14. (new): A process for producing the polyolefin graft copolymer according to claim 5.

15. (new): A process for producing the composition according to claim 12.